



POE SURGE PROTECTOR

DDSPG SERIES



SYNOPSIS

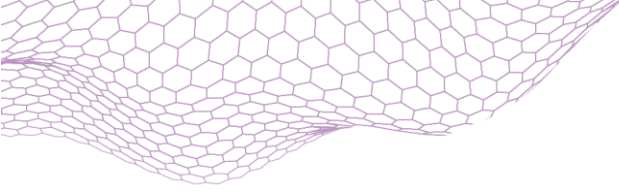
- DDSPG POE+ PV201 Hi POE SURGE PROTECTOR IS USED FOR PROTECTION OF THE INTERFACE CIRCUIT OF HIGH-SPEED ETHERNET.
- IT IS CONNECTED IN THE INPUT END OF PROTECTED EQUIPMENT.
- WHEN THE TRANSMISSION LINE IS STRUCK BY LIGHTNING, THE LIGHTNING CURRENT IS DISCHARGED TO THE EARTH THROUGH THE LIGHTNING BRANCHES, AND THE LIGHTNING OVERVOLTAGE IS CLAMPED WITHIN A PROPER RANGE, THUS THE SECURITY OF EQUIPMENT BEING ENSURED.

FEATURES

- TOTAL MAXIMUM DISCHARGE VOLTAGE (VMAX) 10KV
- POE POWER SUPPLY PART WITH THERMAL PROTECTION
- LOW LIMIT VOLTAGE
- LOW INSERTION LOSS
- DATA TRANSMISSION RATE UP TO 1000MBPS
- SMALL VOLUME, EASY INSTALLATION

SPECIFICATIONS

Nominal operating voltage	48V
Maximum continuous operating voltage	57V
Nominal current	0.6A@48V
Max discharge voltage (Differential mode)	1.5kV (1.2/50-8/20us, 12 Ω);
Max discharge voltage (Common mode)	10kV (1.2/50-8/20us, 2 Ω)
Max Discharge Current per line	0.625kA
Max Discharge Current Total	5kA
Voltage protection level (line-PG)	< 40V(line-line); < 90V(line-PG)
Max Watt	30W (PoE)
Data Rate	1000Mbps
Transmission frequency	250MHz
Insertion loss at 250MHz	< 2dB
Pais Protected	1-2, 3-6, 4-5, 7-8
Protective Element	GDT, TVS
Capacitance	< 1.5pF(line-line); < 1pF(line-PG)
Shock durability at 10kV (1.2/50-8/20us, 2 Ω)	> 50 events
Response Time	< 1ns (line-line); < 100ns (line-PG)
Connection mode	RJ45
Shield earthing	Screw terminal



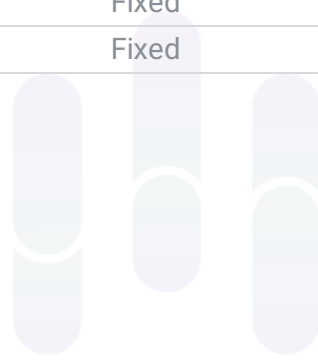
OPERATING CONDITIONS

Operating Temperature	-40°C to 80°C
Relative Humidity	0% to 95% noncondensing

ORDERING CODE

DDSPG POE+ PV201 Hi

DDSPG	Databridge Dynamic Gigabit Ethernet Surge Protector
PoE+	Max Watt 30W
PV201	Fixed
Hi	Fixed



DATA BRIDGE
D Y N A M I C